



**Department of Environmental Protection  
Montgomery County, Maryland**

***DIVISION OF SOLID WASTE SERVICES***

***QUARTERLY REPORT***

***JULY, AUGUST, SEPTEMBER 2010***



Governor O'Malley visits the Division's recycling educational exhibit at the Montgomery County Agricultural Fair held in August.

The Solid Waste Association of North America awarded its "2010 Gold Waste to Energy Excellence Award" to the Montgomery County Resource Recovery Facility (RRF).



*Printed on Recycled and Recyclable Paper*

## ***TABLE OF CONTENTS***

<u>OVERVIEW</u> .....	3
<u>CITIZEN COMMITTEES</u> .....	5
<u>COLLECTIONS</u> .....	5
<u>WASTE MINIMIZATION</u> .....	9
<u>HAZARDOUS WASTE PROGRAMS</u> .....	9
<u>WASTE REDUCTION</u> .....	10
<u>AIR PERMITS AND ENVIRONMENTAL PROGRAMS</u> .....	10
<u>RECYCLING</u> .....	11
<u>PILOT PROGRAMS</u> .....	13
<u>FACILITY ACTIVITIES</u> .....	13
<u>OUT-OF-COUNTY HAUL</u> .....	16
<u>GENERAL INFORMATION</u> .....	17
<u>SOLID WASTE FACTS IN A NUTSHELL</u> .....	18
<u>GLOSSARY OF ACRONYMS</u> .....	19

# **OVERVIEW**

## **Tonnage at a Glance**

The following table shows key material flows during the months of July, August, and September including the fiscal year to date (FY YTD), and the same calendar month in the two prior fiscal years. (County Fiscal Year 2011 began July 1, 2010.)

<b>FACILITY</b>	<b>Jul FY11</b>	<b>FY11 YTD</b>	<b>Jul FY10</b>	<b>Jul FY09</b>
Materials Recovery Facility <sup>(1)</sup>	6,502 tons	6,502 tons	6,576 tons	7,036 tons
Brunswick Landfill Facility <sup>(2)</sup>	15,475 tons	15,475 tons	16,733 tons	20,331 tons
Resource Recovery Facility <sup>(3)</sup>	47,143 tons	47,143 tons	46,476 tons	48,924 tons
Yard Trim Compost Facility	2,105 tons	2,105 tons	3,275 tons	3,540 tons
Honeygo Run Reclamation <sup>(4)</sup>	3,074 tons	3,074 tons	5,763 tons	0 ton
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	0 ton	0 ton	0 ton	0 ton

<b>FACILITY</b>	<b>Aug FY11</b>	<b>FY11 YTD</b>	<b>Aug FY10</b>	<b>Aug FY09</b>
Materials Recovery Facility <sup>(1)</sup>	6,539 tons	13,041 tons	6,021 tons	6,618 tons
Brunswick Landfill Facility <sup>(2)</sup>	15,044 tons	30,519 tons	15,806 tons	21,264 tons
Resource Recovery Facility <sup>(3)</sup>	50,606 tons	97,750 tons	49,872 tons	51,766 tons
Yard Trim Compost Facility	1,824 tons	3,929 tons	3,047 tons	2,609 tons
Honeygo Run Reclamation <sup>(4)</sup>	2,142 tons	5,216 tons	5,425 tons	0 ton
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	0 ton	0 ton	0 ton	0 ton

<sup>(1)</sup> MRF tons reported as outgoing.

<sup>(2)</sup> Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

<sup>(3)</sup> RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. These tonnages are preliminary, with adjustments made in the September and December monthly reports.

<sup>(4)</sup> Non-processible waste sent to be sorted for recycling and landfilled.

<sup>(5)</sup> Ash sent to Old Dominion Landfill for roads and cell covering.

FACILITY	Sep FY11	FY11 YTD	Sep FY10	Sep FY09
Materials Recovery Facility <sup>(1)</sup>	6,944 tons	19,985 tons	6,781 tons	7,344 tons
Brunswick Landfill Facility <sup>(2)</sup>	2,808 tons	33,327 tons	13,055 tons	20,202 tons
Resource Recovery Facility <sup>(3)</sup>	45,800 tons	143,550 tons	40,878 tons	50,676 tons
Yard Trim Compost Facility	3,730 tons	7,659 tons	2,996 tons	3,002 tons
Honeygo Run Reclamation <sup>(4)</sup>	6,077 tons	11,293 tons	4,513 tons	0 ton
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	11,556 tons	11,556 tons	0 ton	0 ton

(1) MRF tons reported as outgoing.

(2) Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

(3) RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. These tonnages are preliminary, with adjustments made in the September and December monthly reports.

(4) Non-processible waste sent to be sorted for recycling and landfilled.

(5) Ash sent to Old Dominion Landfill for roads and cell covering.

During July, August and September, program staff:

- Researched properties and entered billing changes into the database;
- Continued work on the Equity Enhancement Study for Task Order #25;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in July, August and September;
- Updated Access™ databases and Excel™ spreadsheets for monthly Refuse and Recycling Collection contractor reports;
- Continued routine research and correction of solid waste fee abnormalities as they emerge in the property tax database;
- Generated Hauler/Collector Credit Account invoices for July, August and September 2010 totaling \$3,792,393.40 (an increase of \$96,844.95 above the same quarter in 2009);
- Updated the Aging Report (30-day average arrearage was less than \$20,000 per month for the quarter);
- Continued compiling data for the FY10 Mass Balance (County-Wide Materials Flow Analysis);
- Reconciled July, August and September 2010 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Continued to update and verify information in the Division of Solid Waste Services' (DSWS) Fixed Asset Database;
- Assist with ongoing DSWS IT services, ERP and MC311 implementation; and
- Begin preliminary FY12 budget process.

## **CITIZEN COMMITTEES**

**Dickerson Area Facilities Implementation Group (DAFIG)** – DAFIG met on Tuesday, September 14, 2010. Topics discussed included the following: The Facilities Master Plan, DEP Complaints; Deer management and Facilities Update. The next quarterly DAFIG meeting will be held on Tuesday, December 14, 2010.

**Solid Waste Advisory Committee (SWAC)** – SWAC held its regularly scheduled meeting on Saturday, September 11, 2010 at the County's Recycling Center in Derwood. Twelve SWAC and two County staff members were in attendance. Peter Karasik, Section Chief of Central Operations of the Division of Solid Waste Services, presented the members of SWAC with an overview of the procedures and operations of the Recycling Center and Transfer Station. A tour of the entire Transfer Station immediately followed the meeting. There were no meetings in July and August.

## **COLLECTIONS**

**News:** On September 20, 2010, Ecology Services took over the County collection service in Area 9 (Potomac).

In September, contracts commencing in 2011 were awarded to the following contractors:

- Potomac Disposal                      Areas 1 & 4                      (Bethesda & Silver Spring)
- Ecology Services                      Areas 6 & 8                      (Burtonsville & Olney)
- Unity Disposal & Recycling              Area 7                      (Montgomery Village)

**Resident Missed Collection Complaints:** These are calls from residents contacting 311 one or two days after their collection day informing us that their solid waste was not picked-up.

July 2010	121
July 2009	69
Difference	+52*

August 2010	101
August 2009	65
Difference	+36*

September 2010	45
September 2009	60
Difference	-15*

\*Four start-ups occurred in July (Areas 10, 11, 12, 13) resulting in increased misses due to new contractor. This is expected for a start-up, and note that there were fewer misses in August and were actually less in September than the previous year.

### **Resident Service Requests:**

#### July

Bulk trash requests	1,775
Scrap metal requests	1,940
Blue bin requests	1,149
Blue cart requests	292
Literature requests	234

#### August

Bulk trash requests	2,119
Scrap metal requests	2,154
Blue bin requests	1,076
Blue cart requests	334
Literature requests	264

#### September

Bulk trash requests	1,588
Scrap metal requests	1,751
Blue bin requests	898
Blue cart requests	286
Literature requests	164

### **Survey Cards:**

The Public Service Workers distributed 1,346 survey cards in July and received 1.7% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	86%	14%	0%	0%	0%
County Staff	80%	10%	6%	4%	0%
Recycling Crews	78%	19%	0%	3%	0%

The Public Service Workers distributed 1,272 survey cards in August and received 3.5% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	71%	22%	0%	7%	3%
County Staff	48%	45%	0%	7%	0%
Recycling Crews	38%	50%	7%	0%	5%

The Public Service Workers distributed 1,326 survey cards in September and received 8.4% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	83%	13%	2%	1%	1%
County Staff	77%	20%	2%	0%	1%
Recycling Crews	71%	29%	0%	0%	0%

Collections mailed out 262 survey cards in July and received 8.8% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	83%	9%	8%	0%	0%
County Staff	81%	19%	0%	0%	0%
Recycling Crews	62%	29%	5%	4%	0%

Collections mailed out 252 survey cards in August and received 11.9% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	84%	13%	3%	0%	0%
County Staff	73%	19%	4%	4%	0%
Recycling Crews	64%	21%	11%	0%	4%

Collections mailed out 178 survey cards in September and received 12.4% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	73%	27%	0%	0%	0%
County Staff	61%	39%	0%	0%	0%
Recycling Crews	52%	38%	0%	5%	5%

### **Collection Section Enforcement Actions:**

#### *July:*

- Citations: Three (3) citations were issued in the month of July.
  - 48-20 (d) operated a vehicle found to be in an unsafe physical, mechanical, or sanitary condition. Issued to J and J Disposal.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate. Issued to resident at 5029 Aspen Hill Road, Rockville.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate. Issued to resident at 4612 Wissachican Avenue, Rockville.

- Notices of Violation: One (1) notice of violation issued in the month of July.
  - 48-20 (a) collected and/or transported solid waste within the county without a valid collector's tag attached to the vehicle.

*August:*

- Citations: No citations were issued in the month of August.
- Notices of Violation: Two (2) notices of violation issued in the month of August.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate.  
Issued to resident at 3710 Munsey Street, Silver Spring.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate.  
Issued to resident at 12005 Judson Road, Silver Spring.

*September:*

- Citations: No citations were issued in the month of September.
- Notices of Violation: Two (2) notices of violation issued in the month of September.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate.  
Issued to resident at 2607 Urbana Drive, Silver Spring.
  - 48-20 (b) improperly stored and/or allowed solid waste to accumulate.  
Issued to resident at 3523 Harrell Street, Silver Spring.

**Website:**

Solid Waste Services Website

<b>Metric</b>	<b>July 2010</b>	<b>August 2010</b>	<b>Sept 2010</b>
Unique Visitors	59,912	45,321	49,535
Page Loads	168,172	133,184	132,107

Email List Memberships

<b>Topic</b>	<b>Subscribers (new this month)</b>		
	<b>July 2010</b>	<b>August 2010</b>	<b>Sept 2010</b>
Holiday Reminder	14,373* (242)	14,496* (120)	14,610 (117)
HHW Announcements	5,210* (131)	5,301* (91)	5,389 (88)
Newsletter Helper	2,649* (46)	2,693* (44)	2,737 (44)
Facility Updates	2,175* (66)	2,224* (49)	2,264 (40)
Electronics recycling	2,312 (106)	2,389 (77)	2,473 (84)
Go Green	1,098 (55)	1,153 (55)	1,214 (61)
Civic Loop	242 (25)	260 (18)	286 (26)
SORRT Newsletter	174 (22)	188 (14)	207 (19)
TRRAC	168 (24)	185 (17)	205 (20)
Monthly Report	196 (36)	232 (36)	266 (34)
<b>Total Subscriptions</b>	<b>28,597* (753)</b>	<b>29,121* (521)</b>	<b>29,651 (533)</b>

\* Estimated value



### Most Popular Web Pages

July 2010	August 2010	September 2010
1. Transfer Station	Transfer Station	Transfer Station
2. Holiday information	How do I...	How do I...
3. How do I...	Bulk trash	Holiday information
4. Bulk trash	Collection day lookup	Bulk trash
5. Collection day lookup	Recycling Center	Collection day lookup
6. Recycling Center	Household Haz. Waste	Recycling Center
7. Household Haz. Waste	Compost bins	Household Haz. Waste
8. Compost bins	Scrap metal recycling	Compost bins
9. Latex paint	Curbside recycling	Scrap metal recycling
10. Scrap metal recycling	Latex paint	Community Shred event

## **WASTE MINIMIZATION**

Product Recycled	Jul 2010	Aug 2010	Sep 2010	YTD
Computers	69 tons	78 tons	66 tons	213 tons
TVs	92 tons	78 tons	76 tons	246 tons
Propane Tanks	3 tons	0 ton	3 tons	6 tons
Textiles	12 tons	12 tons	8 tons	32 tons
Construction Materials (Don't Dump – Donate)	5 tons	4 tons	4 tons	13 tons
Vehicle Batteries	17 tons	21 tons	17 tons	55 tons
Rechargeable Batteries	0 ton	1 ton	0 ton	1 ton

## **HAZARDOUS WASTE PROGRAMS**

**Household Hazardous Waste (HHW) Collection** – There were a total of 21,361 patrons to the program in the first quarter (July, August and September 2010). During normal business hours we had 20,020 patrons; after 5:00 p.m., we had 1,341 patrons. The HHW web site page had 4,145 unique page views in the first quarter.

**Small Quantity Generator/ECOWISE Program** – There were 43 ECOWISE participants in the first quarter.

## **WASTE REDUCTION**

**Bicycle Recycling** – “Bikes for the World” removed 7 tons of bikes in the first quarter for restoration and shipment to countries worldwide.

**Paint Reduction** – The free paint program gave away 2,550 gallons of paint to 91 customers in the first quarter. There were also 8,000 gallons of paint donated to Honduras during this quarter. We solidified 186 cubic yards of paint in the first quarter.

**NEW ‘GOGREEN’ Website** – The new *GoGreen* website, ([www.montgomerycountymd.gov/GOGREEN](http://www.montgomerycountymd.gov/GOGREEN)) will be a one stop site for a wide range of environmental programs and information for residents and businesses. In the first quarter, the site had 247 unique page views.

**Straight Vegetable Oil (SVO) Recycling** – The Transfer Station has a vendor that accepts Waste Vegetable Oil (WVO) for the sole purpose of bio-diesel production; in the first quarter 5 tons of SVO was shipped out for processing into biodiesel (<http://www.montgomerycountymd.gov/veggieoil>).

## **AIR PERMITS AND ENVIRONMENTAL PROGRAMS**

**Resource Recovery Facility (RRF): CEMS Tracking of RRF Emissions** – On Thursday, July 29, 2010, 3:00 p.m., the CEMS reported an deviation with respect to the 1-hr emission standard concentration of 200 ppm for carbon monoxide (CO); a concentration of 337 ppm was reported for this hour from Unit 2. Covanta later reported that while attempting to light the auxiliary burners in response to wet trash, the north burner had failed to ignite although the south burner ignited with no problem. An investigation as to why the north burner did not ignite showed that its flame strength gauge required adjustment. On Tuesday, August 24, 2010, from 5:00 p.m. to 10 p.m., the Unit 2 CEMS reported deviations with respect to the 1-hr, 4-hr, and 24-hr emission standard concentrations for CO, and for the 3-hr emission standard concentration of 30 ppm for SO<sub>2</sub>. Covanta reported that these were caused by a waterwall tube rupture and that the boiler was immediately brought offline and the tube leak repaired. There were no material offsite consequences of either excursion event and Covanta reported that due to the start-up/shutdown/malfunction provisions of the permit there were no regulatory consequences.

**TES Contract (Weather Station)** – All of the instrumentation worked normally this quarter. Data recovery for all parameters was 100 percent. Precipitation for the month of July was 1.77 inches; August was 3.37 inches; and September was 6.56 inches.

## **WASTE REDUCTION AND RECYCLING**

**Public Education and Outreach** – The revised version of the “Close the Loop: Buy Recycled” educational video was completed over the summer. The revised video, also available in Spanish, highlights the recycling, waste reduction and buying recycled efforts of several businesses located in the County. The County co-hosted and staff assisted with the coordination and logistics for the NBC4 Community Shred event held on Saturday, September 11, 2010 at the Rockville campus of Montgomery College. A total of 1,715 vehicles drove through the event and 31 tons of confidential papers were shredded and recycled and 1.5 tons of cardboard was collected for recycling. DSWS is planning to host additional paper shredding/recycling and clothing/household goods donation collection events to recognize America Recycles Day. The events will be held at Gaithersburg High School on Saturday, November 13 from 12 noon to 4 p.m. and at Montgomery Blair High School on Sunday, November 14 from 12 noon to 4 p.m. Staff met over the summer with officials from the PGA Tour to discuss recycling at the Constellation Energy Senior Players Championship to be held October 7-10 at TPC Potomac at Avenel Farm and for the U.S. Open scheduled for June 2011 at Congressional Country Club. Staff provided information about the county's recycling regulations as well as site and event-specific recommendations to ensure recycling is available for all players, spectators, vendors, staff, volunteers and the public. Staff has been busy gearing up for numerous fall events that DSWS staff and volunteers participate in to raise awareness and participation and increase the amount of materials recycled by residents, multi-family properties and businesses.

**On-Site Composting and Waste Reduction Activities** – A total of 1,098 compost bins were distributed between July 1, 2010 and September 30, 2010 to encourage residents to compost their leaves and grass clippings on-site. Staff conducted one composting workshop during this period at the Rockville Whole Foods Market reaching 12 residents. Staff created an educational ad for the annual Gazette Community Guide which was published in late September. The ad included specific information pertaining to grasscycling and on-site and backyard composting of yard trim materials. Staff is in the process of scheduling composting presentations for the upcoming fall season.

**Recycling Investigations Unit** – Since the unit was established, 32,409 site visits and 3,392 formal investigations have been conducted. For the period from July 1, 2010 through September 30, 2010, 114 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. Four citations were issued to businesses during this same period. Three citations were issued to businesses for failing to recycle the required materials and one citation was issued to a business for failure to provide and maintain an approved container for the storage of solid waste.

**Commercial Recycling and Waste Reduction** – The SORRT Program conducted 3,022 on-site visits of businesses between July 1, 2010 and September 30, 2010. Staff resolved nine complaints, participated in 29 events reaching 987 people and responded to 59

requests for information ranging from educational materials to presentations for property managers, tenants, and employees. Staff completed the on-site field verifications of 896 Calendar Year 2009 Annual Business Recycling and Waste Reduction Reports to ensure accuracy of the submitted information. Data obtained through these reports will help the SORRT program identify properties that need to improve their recycling efforts during the upcoming year. The SORRT team is preparing to evaluate the recycling infrastructure at all 203 Montgomery County Public Schools (MCPS) and facilities for the 2010-2011 school year. School evaluations are expected to be completed by mid-December. To further support the County Executive's Paper and Printing Reduction Policy and support the Division's effort to reduce the amount of waste generated, the school evaluation process has been computerized and results of the evaluation process are being managed using an Access database. This streamlined process will generate almost three times less paper than the current evaluation process.

**Multi-Family Recycling and Waste Reduction** – Between July 1, 2010 and September 30, 2010, the TRRAC Program conducted 1,000 on-site visits to multi-family properties to monitor the status and progress of their recycling programs and to recommend program improvements. Staff participated in 17 multi-family property educational events, reaching 1,012 people. These events included National Night Out activities, a paper shredding and recycling event, pool parties where staff educated attendees, and numerous resident recycling presentations, staff trainings, and lobby displays. Staff also responded to 132 requests for information, resolved 7 resident concerns, and distributed 1,885 multi-family recycling bins. The July edition of the TRRAC newsletter for multi-family property representatives was emailed to 863 multi-family property representatives and included information on multi-family recycling award winners and new and updated educational materials available to properties to assist with resident recycling awareness. Staff completed field verifications of the 632 Multi-Family Annual Recycling and Waste Reduction Reports covering Calendar Year 2009 to ensure the information submitted on the reports was accurate. Confirmation notices that included individual property recycling rates as verified during the field verification process were emailed to all but 13 multi-family property representatives, who instead received their notices via mail due to not having provided staff an email address. The TRRAC Program began analysis of the annual recycling report data to identify priority properties to work with to achieve increased recycling achievement during FY11.

**Mixed Paper Recycling** – Existing educational materials were distributed to residents at several events. Larger quantities of materials were also provided to homeowner associations and civic groups for their use and distribution.

**Volunteer Activities** – One hundred and three volunteers, some of them participating in multiple events, contributed 842 hours of their time to support recycling activities from July 1, 2010 through September 30, 2010. Five volunteers provided 298 hours of office assistance to include filing, computer data entry, counting and bundling educational materials for events, and labeling files. Two neighborhood recycling block captains

distributed recycling information to 44 neighbors in Bethesda and Rockville, and one neighborhood recycling block captain provided one grasscycling demonstration to 2 residents in Rockville. Eighty-one volunteers participated in eight community outreach events throughout the County in July, August and September directly reaching 7,802 residents. This includes a total of 43 volunteers contributing almost 300 hours of service staffing the Division's educational exhibit at the Montgomery County Agricultural Fair from August 13 through August 21, directly speaking to 5,022 residents. The Recycling Volunteer Program recruited 17 prospective volunteers and 21 new volunteers from July 1, 2010 through September 30, 2010. Program staff participated in two volunteer outreach events held at the Takoma Park and Germantown campuses of Montgomery College reaching 96 potential volunteers.

## **PILOT PROGRAMS**

**Cooperative Collection/Alternative Collection** – The SORRT Program continues to monitor all three Cooperative Collection Projects in Silver Spring to ensure that the participants are recycling properly. No major issues or concerns arose in June, July or August.

## **FACILITY ACTIVITIES**

**Resource Recovery Facility (RRF)** – The RRF processed a total of 143,550 tons for the quarter, or 1,577 tons per day. During this time 10 tours of the plant were given. The plant exported 78,204,400 kilowatt-hours to the power grid. About 2,400 tons of ferrous material was recovered from the ash and recycled. In July, Unit #3 was taken out of service for special cleaning to remove excessive slag build-up in the furnace. In August, Unit #2 was taken out of service to address a tube leak. The opportunity was taken to give the unit an unscheduled blast cleaning since the unit was placed in standby mode to build up the trash inventory prior to coming back on line for on-peak power generation. In September, Unit #3 was taken out of service for its scheduled fall outage. Routine work was completed but special attention was given to the baghouse to address air leakage. Repairs were made to hoppers, cell walls, and door frames resulting in noticeable improvements.

**Materials Recovery Facility (MRF)** – Approximately 5,589 tons of commingled material was shipped out and approximately 14,406 tons of mixed paper were loaded out and transferred to the Office Paper Systems, Inc. processing facility from July through September 2010. Began push wall replacement in 'B' bin. MCPS began sending their recyclables to the plant. Took delivery of a new Hyster forklift. Sta-Dri made repairs to the processing area/tip floor roof.

In September—Painted the bollards, railings, hoppers and platform floors. Certa-Pro painted the mezzanine walls. Allowed push wall cure to extend beyond 20 days (beyond 20 Sept.). Began reintroducing residue from 37A back to the tip floor. Errickers Welding replaced floor and screens on shaker table. Hartman cleaned the skylight and replaced the caulking. JMR replaced several pavement blocks and sections of curb, as well as installing bollards at the curbs near the processing area, paper load-out and tip-floor bays. Received a check in the amount of \$2,465 for participating in PEPCO's C&I Energy Savings Program (result of installing T-5 lights and LED emergency lights in the spring).

**Oaks Landfill** – The 2.4 MW landfill gas-to-energy plant continues to operate.

**Gude Landfill** – The 0.8 MW landfill gas-to-energy plant continues to operate.

Work related to the Gude Landfill Remediation project continues. DEP and the County Office of Real Estate are in the process of preparing documentation to initiate a land swap disposition with M-NCPPC for impacted park land that is adjacent to the Gude Landfill. EA Engineering (EA) completed the installation of the new groundwater monitoring wells on M-NCPPC and County property. EA completed sampling of all groundwater monitoring wells and stream locations. EA is preparing a Draft Final version of the Nature and Extent Study. Meetings with the Community and DEP/DSWS regarding the Gude Landfill Remediation continue on a monthly basis.

**Solid Waste Transfer Station** – Covanta shipped 146,707 tons of processible waste via rail from the Transfer Station for the first quarter compared to 140,751 for the same period last year.

The inbound radiation detectors had 57 total valid alarms in the first quarter. Fourteen alarms involved a driver or passenger who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation; and 41 alarms by vehicles that were identified as containing low levels of medical isotopes with short half-lives in trash. Two loads were rejected because material was not acceptable for disposal; the materials identified were RA 226 and TH 232.

The Public Unloading Facility radiation detectors had 15 alarms. All alarms involved drivers or passengers who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation.

**Transfer Station Enforcement** – Under Chapter 48 of the Montgomery County Code, a total of 152 enforcement actions were taken during the reporting period. The enforcement composition breakdown includes:

<b>Code Section</b>	<b>Description</b>	<b>Verbal</b>	<b>NOV</b>	<b>Citation</b>
48-05	<i>Permit required to collect or dispose of solid waste</i>	2	39	10
48-05(3)(d) (18-04)	<i>Delivery of solid waste acceptable for recycling</i>	1	7	8
48-10	<i>Deposit at other than approved place prohibited</i>	0	0	0
48-11	<i>Illegal Dumping; dumping in another's container; dumping solid waste upon a public Highway</i>	0	0	0
48-18(a)	<i>Unlicensed Company/Tags</i>	4	9	1
48-19(a)(1)	<i>Unlicensed Collection Company / Transporting solid waste without a valid collectors /haulers tag</i>	2	48	8
48-19(a)(3)	<i>A person must not engage in the business of collecting or transporting solid waste in the County without first obtaining a license from the Director.</i>	0	1	0
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	1	5	3
48-20(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly</i>	0	1	1
48-20(c)	<i>Unmarked Marked Vehicle / Lettering</i>	0	0	0
48-22	<i>Permit required to haul garbage, etc., from outside state into County</i>	0	0	0
48-24(c)	<i>Containers Standards</i>	0	0	1
		<b>10</b>	<b>110</b>	<b>32</b>
		<b>152</b>		

**Site 2 Landfill Properties** – Design work continues on the Site 2 ponds. During the quarter the deer management program began.

**Yard Trim Compost Facility** – The facility received 7,659 tons of material for composting this quarter; this compares with 9,318 materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 15,556 cubic yards of bulk LeafGro™ shipped this quarter; compared with 6,864 cubic yards for the same period last year. There were 3,107 cubic yards of Linden Farm Humus sold this quarter; this compares with 2,740 cubic yards for the same period last year.

**Bagging Operation** – 89,000 bags of LeafGro™ were shipped to distributors this quarter. This compares with 54,900 bags shipped during the same period last year. (Each bag is 1.5 cubic feet weighing 45 lbs.)

In this quarter, 3,960 1-cubic foot bags of LeafGro™ were sold. This compares with 20 bags during the same period last year.

In this quarter, 5,350 bags of Compro™ bags were shipped to distributors. This compares with 4,250 bags during the same period last year.

## **OUT-OF-COUNTY HAUL**

**Brunswick County, Virginia** – In the first quarter approximately 31,684 tons of ash residue were transported to the County's dedicated disposal cell at the Brunswick Landfill. From September 8, 2010 to September 30, 2010, approximately 11,556 tons of ash residue was transported via rail and truck to the Old Dominion Landfill in Henrico County, VA., where it is screened into two grades for use as road base and alternate daily cover within the confines of the landfill owned by Republic Services. Metals are also removed from the ash both at the RRF and during the screening process at Old Dominion Landfill.

**Perry Hall Maryland** – Approximately 11,293 tons of asphalt, soil, concrete, and brick and block and other nonprocessibles were sent to the Honeygo Run Recycling site in Perry Hall, Maryland, for construction and demolition recycling for the first quarter of the fiscal year.



# GENERAL INFORMATION

## Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	240-777-6560 (County Office) 301-916-3031 (Covanta) 301-330-2840 (MES)
Materials Recovery Facility	240-777-6591 (County Office) 301-417-1433 (MES)
Resource Recovery Facility	240-777-6494 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWs	<a href="http://www.montgomerycountymd.gov/solidwaste">www.montgomerycountymd.gov/solidwaste</a> <a href="http://www.montgomerycountymd.gov/recycling">www.montgomerycountymd.gov/recycling</a> <a href="http://www.montgomerycountymd.gov/hazardouswaste">www.montgomerycountymd.gov/hazardouswaste</a> <a href="http://www.montgomerycountymd.gov/useitagain">www.montgomerycountymd.gov/useitagain</a> <a href="http://www.montgomerycountymd.gov/yardtrim">www.montgomerycountymd.gov/yardtrim</a> <a href="http://www.montgomerycountymd.gov/veggieoil">www.montgomerycountymd.gov/veggieoil</a> <a href="http://www.montgomerycountymd.gov/GOGREEN">www.montgomerycountymd.gov/GOGREEN</a>

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Serena Bell  
Department of Environmental Protection  
Division of Solid Waste Services  
101 Monroe Street, 6th Floor  
Rockville, MD 20850  
Tel: 240-777-6459  
Fax: 240-777-6465  
Email: [serena.bell@montgomerycountymd.gov](mailto:serena.bell@montgomerycountymd.gov)

# SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Latest Tonnage of Materials Recycled in a Fiscal Year in Montgomery County	495,371 (FY09)
Latest Recycling Rate Reported in Montgomery County	44.2% (FY09)
Recycling Goal	50% by December 2010
Resource Recovery Facility (RRF)	Permitted Capacity = 657,000 tons per calendar year (based on 5,500 BTU/lb waste)
Yard Trim Compost Facility	<p>Under the Sugarloaf Settlement Agreement, operations are limited to the receipt of 77,000 tons per fiscal year.</p> <p>In FY10, 72,348.86 tons of yard trim were received at the Dickerson Facility.</p>
# Residences receiving trash collection by County contractors	90,989
# Residences receiving collection of recyclables in blue bins and yard trim collection	210,832
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started October 20, 1997.)

## **GLOSSARY OF ACRONYMS**

BTU	British Thermal Unit
CEMS	Continuous Emissions Monitoring System
CO	Carbon Monoxide
CY	Calendar Year
DAFIG	Dickerson Area Facilities Implementation Group
DEP	Department of Environmental Protection
DSWS	Division of Solid Waste Services
EPA	United States Environmental Protection Agency
ERP	Enterprise Resource Planning
FY	Fiscal Year
HHW	Household Hazardous Waste
MCPS	Montgomery County Public Schools
MES	Maryland Environmental Services
M-NCPPC	Maryland-National Capital Park and Planning Commission
MRF	Materials Recovery Facility
NMWDA	Northeast Maryland Waste Disposal Authority
NOV	Notice of Violation
OSHA	Occupational Safety & Health Administration
PJM	Pennsylvania-New-Jersey-Maryland
RRF	Resource Recovery Facility
SCFM	Standard cubic feet per minute
SCS	SCS Engineers, Inc.
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
SVO	Straight Vegetable Oil
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
WVO	Waste Vegetable Oil
YTD	Year To Date